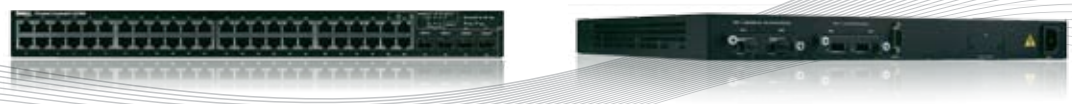
DELL™ POWERCONNECT™ 6200 SERIES PoE SWITCHES



The PowerConnect 6200 series is Dell's most advanced switching product line, offering Power over Ethernet (PoE) and advanced switching capabilities including high-density, high-performance stacking and 10 Gigabit Ethernet capabilities scalable from the small business to the Enterprise Edge.

HIGH DENSITY

The PowerConnect 6200 series will offer versions with 24 and 48 ports of 10/100/1000Base-T Gigabit Ethernet. Delivering significant rack density, the PowerConnect 6200 gives users the flexibility to maximize server and workstation connectivity in a 1U form factor. Up to 576 servers and/or clients can be connected in a stack of 6200 series switches to help provide the maximum density, flexibility and manageability.

POWER OVER ETHERNET SUPPORT (PoE)

The PowerConnect 6200 series offers support for power-dependent network applications including wireless, VoIP, video conferencing and badge reading. The 6200 series PoE switches have the capabilities to provide up to 15.4 watts of power for network-attached devices like WLAN Access Points (WAPs) and Voice over IP (VoIP) handsets.

HIGH-PERFORMANCE STACKING

The PowerConnect 6200 series supports high-performance resilient stacking for up to twelve systems, which allows increased throughput to be added as needed without affecting network performance. With each switch supporting up to 184 Gbps in switch capacity, the 6200 series can provide almost 2 Terabits of capacity in a single stack!

10 GIGABIT ETHERNET

The PowerConnect 6200 series switches support up to four 10 Gigabit Ethernet uplinks for connectivity directly to 10 GE routers, servers, enterprise backbones and data centers.

ADVANCED LAYER 3 CAPABILITIES

The PowerConnect 6200 series supports advanced Layer 3 routing and multicast protocols to help reduce congestion and manage traffic in the network. The PowerConnect 6200 series supports frequently used LAN routing protocols such as RIPv1/v2, OSPFv2/v3, VRRP, IGMP, DVMRP, PIM and LLDP-MED.

ADVANCED QoS

The PowerConnect 6200 offers flexibility in Quality of Service (QoS) by giving network administrators the ability to prioritize time-critical network traffic based on a variety of user-defined criteria. Administrators can expedite traffic based on L2 or L3 information to provide greater control over traffic flow within the network.

ADVANCED SECURITY

Support for L2-L4 Access Control Lists (ACLs) on the switch allows the user to perform deep packet inspection. 802.1x port authentication offers both single and multiple host access. Further security is provided through Denial of Service (DoS) Attack Prevention, whereby the switch can protect against common network attacks, such as Blat, Land, Smurf, Ping of Death, Xmascan, Nullscan, Scan SYNFIN, in addition to CPU attacks, such as VLAN flooding, TCP SIM, TCP port scan, IP address spoofing and MAC address spoofing.

IPv6 READY

IPv6 is version six of the "Internet Protocol" that has been in development for over 20 years. IPv6 has been designed to address IP address limitations of previous version of the Internet Protocol, enabling an increased number of unique IP addresses for broader scalability worldwide now and in the future.

VALUE AND FLEXIBILITY

The PowerConnect 6200 series offers additional value because the unique modular design allows you to upgrade to advanced stacking or 10 Gigabit Ethernet only when you need it. Plus the PowerConnect 6200 series offers further flexibility and value with optional modules that allow for either 10 Gigabit optical or CX-4 copper interfaces, or both, based on your needs.

INTRODUCING DELL PROSUPPORT

Designed to address the technology challenges you face today. Designed for IT professionals like you, Dell ProSupport for IT provides 7x24 direct access to Dell Expert Centers, fast-track dispatch of parts and labor without phone troubleshooting when desired for Dell-certified technicians, and escalation management through Dell's Global Command Centers. In addition, Dell ProSupport optional services align with the way you use technology by providing rapid response to your needs, helping to protect your investment, productivity and sensitive data, and enhancing proactive support services to help reduce the risk and complexity of managing your infrastructure.

Speed of Response

With the Mission Critical[1] option you get priority response for server and storage environments when avoiding unplanned downtime and reducing recovery time are critical. Includes priority 4-hr onsite[1] service or optional 2-hr response[1] with 6-hr hardware repair,[1] Dell's proven Critical Situation process, and emergency dispatch.

Protection

With the Keep your Hard Drive[2] option you retain control of your sensitive data and comply with data privacy regulations (to help mitigate regulatory and civil liability risks) by keeping your hard drive.

Premium Proactive

With the Enterprise-Wide Contract option, you get enhanced, proactive capabilities via a designated Service Delivery Manager, performance benchmarking and custom reporting, and planning and assessments. Our Proactive Maintenance option is designed to proactively maximize the availability and stability of your infrastructure. Includes a detailed system assessment and implementation of driver or firmware updates and upgrades for your server or storage systems. Remote Advisory option provides telephone and Internet access to technical expertise for specialized applications and solutions such as Microsoft Exchange, Virtualization, and more.

ADDITIONAL SERVICE OFFERINGS

Comprehensive Storage Training and Certification

Provides expertise for integrating Dell storage into an existing IT infrastructure. For company compliance, an advanced certification path is available for validating or maintaining skill sets.

Backup and Recovery

Solutions that help ensure adequate procedures are in place to minimize or avoid data loss.

Storage Consolidation

Our storage experts can analyze your existing infrastructure, operational practices and technical readiness, and develop a detailed consolidation deployment plan that includes a validated and refined solution design.

To help you get the most from your Dell systems, visit www.dell.com/services

Services vary by region.

[1]For terms of service, please visit www.dell.com/servicecontracts

[2]The defective hard drive must still be covered by the hardware limited warranty.

FEATURES	DELL™ POWERCONNECT™ 6248P (PoE)	DELL™ POWERCONNECT™ 6224P (PoE)
Port Attributes	48 10/100/1000BASE-T Gigabit Ethernet ports; 4 Combo (SFP or 10/100/1000) Gigabit Ethernet ports; Up to 4 10 Gigabit Ethernet Ports; Resilient Stacking up to 12 systems; PoE support on all 48 ports. Up to 15.4 watts per port (with optional external power supply); Auto-negotiation for speed, duplex mode and flow control; Auto MDI/MDIX; Port mirroring; Flow-based port mirroring; Broadcast storm control	24 10/100/1000BASE-T Gigabit Ethernet ports; 4 Combo (SFP or 10/100/1000) Gigabit Ethernet ports; Up to 4 10 Gigabit Ethernet Ports; Resilient Stacking up to 12 systems; PoE support on all 24 ports Up to 15.4 watts; per port; Auto-negotiation for speed, duplex mode and flow control; Auto MDI/MDIX; Port mirroring; Flow-based port mirroring; Broadcast storm control
Performance	Switch Fabric Capacity 184 Gb/s Forwarding Rate 131 Mpps Up to 8,000 MAC Addresses 256 MB of CPU SDRAM 32 MB of Flash Memory	Switch Fabric Capacity 136 Gb/s Forwarding Rate 95 Mpps Up to 8,000 MAC Addresses 256 MB of CPU SDRAM 32 MB of Flash Memory
Availability	Spanning Tree (IEEE 802.1D) and Rapid Spanning Tree (IEEE 802.1w) with Fast Link Support; Multiple spanning trees (IEEE 802.1s); Supports Virtual Redundant Routing Protocol (VRRP); External power support with PowerConnect EPS-470 (sold separately); Cable diagnostics; SFP transceiver diagnostics	
Layer 3 Routing Protocols	Static Routes; Routing Information Protocol (RIP) v1/v2; Open Shortest Path First (OSPF) v1/v2/v3; Classless Inter-Domain Routing (CIDR); Internet Control Message Protocol (ICMP); ICMP Router Discover Protocol (IRDP); Virtual Redundant Routing Protocol (VRRP); Address Resolution Protocol (ARP); Internet Group Management Protocol (IGMP) v2; Distance-Vector Multicast Routing Protocol (DVMRP)	
VLAN	VLAN support for tagging and port-based as per IEEE 802.1Q; Double VLAN tagging (QinQ); Up to 4093 VLANs supported; Dynamic VLAN with GVRP support. Voice VLANs are provided specifically for VoIP applications	
Quality of Service	Layer 2 Trusted Mode (IEEE 802.1p tagging); Layer 3 Trusted Mode (DSCP); Layer 4 Trusted Mode (TCP/UDP); Advanced Mode using Layer 2/3/4 flow-based Policies, including metering/rate limiting, marking and bandwidth guarantees; up to 100 ACLs can be used for QoS flow identification via Class-maps; 8 Priority Queues per Port; Adjustable Weighted-Round-Robin (WRR) and Strict Queue Scheduling; Port-based QoS Services Mode; Flow-based QoS Services Mode	
Layer 2 Multicast	Static IP Multicast; Dynamic Multicast Support – 256 Multicast groups supported in IGMP Snooping; IGMP snooping for IP multicast support IGMP Querier; Protocol Independent Multicast (PIM-DM, PIM-SM)	
Security	IEEE 802.1x based edge authentication; Switch access password protection; User-definable settings for enabling or disabling Web, SSH, Telnet, SSL management access; Port-based MAC Address alert and lock-down LLDP-MED; IP Address filtering for management access via Telnet, HTTP, HTTPS/SSL, SSH and SNMP; RADIUS and TACACS+ remote authentication for switch management access; Up to 100 Access Control Lists (ACLs) supported; up to 12 Access Control Entries (ACEs) per ACL; SSLv3 and SSHv2 encryption for switch management traffic; Management access filtering via Management Access Profiles	
Other Switching Features	Link Aggregation with support for up to 8 aggregated links per switch and up to 8 member ports per aggregated link (IEEE 802.3ad); LACP support (IEEE 802.3ad) Link Layer Discovery Protocol supported (IEEE 802.1AB)	
Management	Web-based management interface; Industry-standard CLI accessible via Telnet or Local Serial Port; SNMPv1, SNMPv2c and SNMPv3 supported; four RMON groups supported (history, statistics, alarms and events); TFTP transfers of firmware and configuration files; Dual firmware images on-board; Multiple configuration file upload/download supported; Statistics for error monitoring and performance optimization including port summary tables; BootP/DHCP IP address management supported; Syslog remote logging capabilities; Temperature sensors for environmental monitoring	
Chassis	Approximate weight (without modules): 13.4 lbs, 6.06 kg Approximate weight (with modules): 13.7 lbs, 6.20kg 440 x 387 x 43.2 mm (W x D x H); 17.3" x 15.2" x 1.7"; 1U, rack-mounting kit included	Approximate weight (without modules): 12.2 lbs, 5.54 kg Approximate weight (with modules): 12.6 lbs, 5.70 kg 440 x 387 x 43.2 mm (W x D x H); 17.3" x 15.2" x 1.7"; 1U, rack-mounting kit included
Optional Peripheral Products	RPS-600 Redundant Power Supply EPS 470 Redundant Power Supply for POE models SFP Optical Transceivers, 1000BASE-SX, LC Connector SFP Optical Transceiver, 1000BASE-LX, LC Connector CX-4 Module	XFP Module 10GBase-T Module Stacking Module with 1 Meter Dell stacking cable 3 meter stacking cable

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